

Patent Claims

1. Device for securing a line, said device comprising
 - 5 - a line retaining part (11, 60) and a base part (20, 80),
 - said line retaining part (11, 60) comprising at least one groove (12, 62) for accommodating a line, said groove being designed with flexible retaining means, said base part (20, 80) comprising fixing means,
 - and wherein said line retaining part (11, 60) and said base part (20, 80) are provided
 - 10 with complementary locking means (70, 94).
2. Device according to claim 1, characterized in that said flexible retaining means of said line retaining part (11, 60) comprises a plurality of protruding flexible parts placed essentially lateral of the groove (12, 62).
- 15 3. Device according to claim 2, characterized in that said protruding flexible parts are designed as blades (63) that protrude into the groove (63).
4. Device according to claim 3, characterized in that said protruding flexible blades (63) are located at an angle (a) in relation to an axis of the groove
- 20 (62).
5. Device according to claim 4, characterized in that said angle (a) of the flexible blades in relation to the axis of the groove (62) is in an interval of 10° – 80° , in a more preferred form 25° – 60° , in a still more preferred form 40° – 50° , and
- 25 in particular 45° .
6. Device according to one or more of claims 1 to 5, characterized in that said flexible retaining means, e.g. said plurality of protruding flexible parts (63),
- 30 are placed only at one side of the groove (62).

7. Device according to one or more of claims 1 to 5, characterized in that said flexible retaining means, e.g. said plurality of protruding flexible parts (63), are placed at both sides of the groove (62).

5 8. Device according to one or more of claims 1 to 7, characterized in that said line retaining part (11, 60) comprises only one groove (12, 62) for accommodating a line.

9. Device according to one or more of claims 1 to 7, characterized in
10 that said line retaining part (11, 60) comprises at least two grooves (12, 62) for accommodating a line each, said grooves preferably being placed essentially in parallel.

10. Device according to one or more of claims 1 to 9, characterized in
15 that said line retaining part (11, 60) is made of a polymeric material.

11. Device according to one or more of claims 1 to 10, characterized in
that said complementary locking means (70, 94) of said line retaining part (11, 60)
and said base part (20, 80) comprises snap locking means (71, 95).

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12. Device according to claim 11, characterized in that said snap
locking means (70, 94) comprises a tap (94) placed on said base part (80) and a
cavity (70) in the line retaining part (60) or vice versa.

25 13. Device according to claim 12, characterized in that said tap (94)
comprises a protruding annular part (95) and that said cavity (70) comprises a
complementary annular groove (71) or vice versa.

14. Device according to one or more of claims 11 to 13, characterized
30 in that said complementary locking means (70, 94) of said line retaining part 60)
and said base part (80) are designed as a swivel joint, allowing the line retaining part
to be adjusted in relation to said base part.

15. Device according to claim 14, c h a r a c t e r i z e d i n that said line retaining part (60) and said base part (80) are designed with limit stops (101) for said swivel joint, allowing the line retaining part (60) to be adjusted within a limited angular range in relation to said base part (80).
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16. Device according to claim 14 or 15, c h a r a c t e r i z e d i n that said line retaining part (60) and said base part (80) are designed with interacting means, e.g. teeth, a toothed ring, cogging or similar means, that allows a relative movement and facilitate a parking of the line retaining part at certain angles in relation to said base part.
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17. Device according to one or more of claims 1 to 16, c h a r a c t e r i z e d i n that said fixing means of said base part comprises two opposing jaw parts (19, 29, 82, 84) that are forced together by spring means (22, 85,92) .
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18. Device according to claim 17, c h a r a c t e r i z e d i n that said spring means comprises a flexible connecting part (85) between the two jaw parts (82, 84).

20 19. Device according to claim 17 or 18, c h a r a c t e r i z e d i n that said spring means comprises a flexible spring part (92) connected to one (84) of the two jaw parts and acting on the other (82) jaw part.

20. Device according to claim 17, 18 or 19, c h a r a c t e r i z e d i n that said fixing means of said base part comprises a hinge means comprising hinge parts (97, 98, 99) on both jaw parts (82, 84).
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21. Device according to claim 20, c h a r a c t e r i z e d i n that said hinge parts on the jaw parts (82, 84) are designed as a hook element (97) formed on one of the jaws (82) and a corresponding opening (98) formed on the other jaw (84).
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22. Device according to one or more of claims 17 to 21, characterized in that said base part (80) is formed as a flexible elongated part, each end forming a jaw (82, 84) and an intermediate part (85) forming a flexible part.

5 23. Device according to claim 22, characterized in that said base part (80) is made of a polymeric material.

24. Device according to one or more of claims 1 to 16, characterized in that said fixing means of said base part (80) comprises spring-loaded or flexible
10 means that may be clipped onto structural parts.

25. Device according to one or more of claims 1 to 16, characterized in that said fixing means of said base part comprises adhesive means that may be applied onto structural parts or other articles.

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26. Device according to one or more of claims 1 to 16, characterized in that said fixing means of said base part comprises mechanical means for securing the base part to an item at, on or near the patient.

20 27. Device according to one or more of claims 1 to 26, characterized in that said line retaining part (60) comprises connection means (65, 66) on a side part for mechanically connecting said retaining part to a further retaining part.

28. Device according to claim 27, characterized in that said connection
25 means (65, 66) on a side part comprises first connection means (65) on a first side part and second connection means (66) on a second side part, said first and second connection means being complementary.

29. Device according to claim 28, characterized in that said first and
30 second connection means are designed as dovetail joints (65, 66).

30. Device according to one or more of claims 27 to 29, c h a r a c t e r i z e d i n that said line retaining part (60) comprises a side part that is designed in order to form a part (75) of said complementary locking means when said line retaining part is connected with a similar or identical line retaining part.

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31. Device according to one or more of claims 1 to 30, c h a r a c t e r i z e d i n that said line retaining part (60) comprises further means for withholding a line in said groove (62).

10 32. Device according to claim 31, c h a r a c t e r i z e d i n that said further means for withholding a line in said groove comprises a lid part, that may be connected to the line retaining part by a hinge.

15 33. Use of a device according to one or more of claims 1 – 32 in connection with dialysis.

34. Use of a device according to one or more of claims 1 – 32 in connection with blood transfusion.

20 35. Use of a device according to one or more of claims 1 – 32 in connection with chemotherapy.

36. Use of a device according to one or more of claims 1 – 32 in connection with insufflation.

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37. Use of a device according to one or more of claims 1 – 32 in connection with emergency treatment.

30 38. Use of a device according to one or more of claims 1 – 32 in connection with intensive care treatment.